

This circular will be sent regularly to all who apply for it.

United States Department of Agriculture,

WASHINGTON, D. C., September 30, 1916.

MONTHLY LIST OF PUBLICATIONS.

[SEPTEMBER, 1916.]

A copy of any of the publications listed herein, including those with price named, except the *Journal of Agricultural Research*, *Experiment Station Record*, *Service and Regulatory Announcements*, and publications of the *Weather Bureau*, may be obtained free upon application to the Editor and Chief of the Division of Publications, United States Department of Agriculture, Washington, D. C., as long as the department's supply lasts.

After this department's supply of the publications listed below is exhausted, those publications of which the price is indicated can still be obtained from the Superintendent of Documents, Government Printing Office, Washington, D. C., but by purchase only, and at the prices noted herein.

Send all remittances to the Superintendent of Documents direct. His office is not a part of the Department of Agriculture.

FARMERS' BULLETINS—FOR FREE DISTRIBUTION.

No price is quoted for Farmers' Bulletins for the reason that the department's supply of the current numbers is ordinarily sufficient to make it possible to send them free to all applicants.

The Preservative Treatment of Farm Timbers. By George M. Hunt, Chemist in Forest Products, Forest Products Laboratory. Pp. 32, figs. 17. Contribution from the Forest Service. Sept. 21, 1916. (*Farmers' Bulletin* 744.)

This bulletin is of value to all who are interested in prolonging the life of building timbers, poles, and posts, especially on farms at a distance from preservative works.

Roses for the Home. By F. L. Mulford, Landscape Gardener, Office of Horticultural and Pomological Investigations. Pp. 36, figs. 27. Contribution from the Bureau of Plant Industry. Sept. 25, 1916. (*Farmers' Bulletin* 750.)

This bulletin is of general interest to those who wish to grow roses for pleasure and for the beautification of their home grounds.

Muscadine Grape Sirup. By Charles Dearing, Scientific Assistant, Office of Horticultural and Pomological Investigations. Pp. 11, figs. 6. Contribution from the Bureau of Plant Industry. Sept. 6, 1916. (*Farmers' Bulletin* 758.)

Gives directions for preparing the grapes and making the sirup in the home.

DEPARTMENTAL BULLETINS—TECHNICAL.

The publications listed below are technical or scientific treatises or bulletins applying to a special industry or locality. The edition is limited, but they will be furnished free to persons who can use such specialized information as long as the supply lasts. However, to insure prompt receipt, remit price to the Superintendent of Documents.

Larkspur Poisoning of Live Stock. By C. Dwight Marsh and A. B. Clawson, Physiologists, Poisonous Plant Investigations, Bureau of Plant Industry, and Hadleigh Marsh, Veterinary Inspector, Bureau of Animal Industry. Pp. 91, pls. 15, figs. 12. Contribution from the Bureau of Plant Industry and the Bureau of Animal Industry. (Professional Paper.) Sept. 8, 1916. (*Department Bulletin* 365.) Price, 25 cents.

Describes the different species of larkspurs, symptoms of larkspur poisoning, and suggests treatment for and methods of prevention.

Business Practice and Accounts for Cooperative Stores. By J. A. Bexell, Dean, School of Commerce, Oregon Agricultural College, Collaborator, Office of Markets and Rural Organization, and W. H. Kerr, Investigator in Market Business Practice, Office of Markets and Rural Organization. Pp. 56. Contributions from the Office of Markets and Rural Organization. Sept. 29, 1916. (Department Bulletin 381.) Price, 10 cents.

This bulletin should be of interest to all cooperative stores and members of such stores. It should be of interest to retail grocery and general merchandise stores throughout the country.

Public Road Mileage and Revenues in the Middle Atlantic States, 1914. Prepared jointly by the Division of Road Economics and the State Collaborators of the Office of Public Roads and Rural Engineering. Pp. 28. Contribution from the Office of Public Roads and Rural Engineering. Sept. 11, 1916. (Department Bulletin 386.) Price, 5 cents.

Covers the States of New York, New Jersey, and Pennsylvania, and is of interest to all users of public roads and those who are concerned with road maintenance.

The Grazing Industry of the Bluegrass Region. By Lyman Carrier, Agronomist, Forage-Crop Investigations. Pp. 18, figs. 16. Contribution from the Bureau of Plant Industry. Sept. 20, 1916. (Department Bulletin 397.) Price, 5 cents.

Describes the various systems of fattening and finishing live stock in the bluegrass regions of Virginia, West Virginia, Tennessee, and Kentucky.

A System of Accounts for Live-Stock Shipping Associations. By John R. Humphrey and W. H. Kerr, Investigators in Market Business Practice. Pp. 15. Contribution from the Office of Markets and Rural Organization. Sept. 24, 1916. (Department Bulletin 403.) Price, 5 cents.

Is of interest to live-stock shipping associations and persons contemplating the organization of such associations.

Distinguishing Characters of the Seeds of Sudan Grass and Johnson Grass. By F. H. Hillman, Assistant Botanist, Seed Laboratory. Pp. 5, figs. 4. Contribution from the Bureau of Plant Industry. (Professional Paper.) Sept. 5, 1916. (Department Bulletin 406.) Price, 5 cents.

Of especial interest to seedsmen.

Systems of Renting Truck Farms in Southwestern New Jersey. By Howard A. Turner, Scientific Assistant. Pp. 20. Contribution from the Office of Farm Management, Office of the Secretary. (Professional Paper.) Sept. 14, 1916. (Department Bulletin 411.) Price, 5 cents.

A record of investigations covering 246 farms and is of interest to renters and landlords in general.

The Normal Day's Work of Farm Implements, Workmen, and Crews in Western New York. By H. H. Mowry, Agriculturist. Pp. 16. Contribution from the Office of Farm Management, Office of the Secretary. (Professional Paper.) Sept. 22, 1916. (Department Bulletin 412.) Price, 5 cents.

Of especial interest to those employing help on the farm.

The New Mexico Range Caterpillar and Its Control. By V. L. Wildermuth, Entomological Assistant, and D. J. Caffrey, Scientific Assistant, Cereal and Forage Insect Investigations. Pp. 12, figs. 12. Contribution from the Bureau of Entomology. Sept. 21, 1916. (Department Bulletin 443.) Price, 5 cents.

The purpose of this bulletin is to place before the stockmen and farmers of the Southwest the results of investigations carried on during the past three years concerning the control of the New Mexico range caterpillar.

MISCELLANEOUS.

Rules and Regulations of the Secretary of Agriculture for Carrying out the Federal Aid Road Act. Pp. 23. Sept. 1, 1916. (Circular 65, Office of the Secretary.) Price, 5 cents.

The Work of the San Antonio Experiment Farm in 1915. By S. H. Hastings, Farm Superintendent. Pp. 17, figs. 2. Sept. 13, 1916. (Bureau of Plant Industry.) Price, 5 cents.

Illustrated Lecture on How to Make Good Butter. By J. H. McClain, Dairy Husbandman in Charge Southern Dairying, Dairy Division, Bureau of Animal Industry. Pp. 9. Contribution from the States Relations Service and Bureau of Animal Industry. Sept. 6, 1916. (Syllabus 19, States Relations Service.) Price, 5 cents.

For the use of Farmers' Institute and extension lectures in Southern States only.

Illustrated Lecture on Corn Production. By C. P. Hartley, Physiologist in Charge of Corn Investigations, Bureau of Plant Industry, and H. B. Hendrick, Assistant in Agricultural Education, States Relations Service. Pp. 24. Contribution from the States Relations Service and Bureau of Plant Industry. Sept. 1, 1916. (Syllabus 21, States Relations Service.) Price, 5 cents.

Is designed to aid Farmers' Institute and other extension lecturers in presenting this subject.

Illustrated Lecture on Orchard Management. By H. M. Conolly, Assistant in Agricultural Education, and E. J. Glasson, Specialist in Horticulture and Forestry, States Relations Service. Pp. 15. Contribution from the States Relations Service in cooperation with the Bureau of Plant Industry. Sept. 1916. (Syllabus 23, States Relations Service.) Price, 5 cents.

Is designed to aid Farmers' Institute and other extension lecturers in presenting this subject.

Contents and Index to Bulletin 94, Bureau of Entomology. Insects Injurious to Forests and Forest Products. Pp. ix, 87-95. Sept. 9, 1916. Price, 5 cents.

Contents and Index to Bulletin 96, Bureau of Entomology. Papers on Insects Affecting Stored Products. Pp. v, 95-106. Sept. 11, 1916.

Contents and Index to Bulletin 99, Bureau of Entomology. Papers on Insects Injurious to Citrus and Other Subtropical Fruits. Pp. iv, 31-34. Sept. 12, 1916. Price, 5 cents.

Contents and Index to Bulletin 109, Bureau of Entomology. Papers on Insects Affecting Vegetables. Pp. v, 77-84. Sept. 9, 1916. Price, 5 cents.

SERIALS.

Journal of Agricultural Research. (Issued weekly. For sale only.)

Vol. 6, No. 23. Sept. 4, 1916. Contents: Observations on the Life History of the Army Cutworm, *Chorizagrotis auxiliaris*. By R. A. Cooley. Aphidoletes meridionalis, an Important Dipterous Enemy of Aphids. By John J. Davis.—Influence of Barnyard Manure and Water upon the Bacterial Activities of the Soil.—By J. E. Greaves and E. G. Carter. Pp. 871-926, pl. 1, figs. 14. Price, 15 cents.

Same, No. 24, Sept. 11, 1916. Contents: Progressive Oxidation of Cold-Storage Butter. By D. C. Dyer.—Bacteriological Studies of a Soil Subjected to Different Systems of Cropping for Twenty-Five Years. By P. L. Gainey and W. M. Gibbs. Pp. 927-975, pl. 1, figs. 2. Price, 15 cents.

Same, No. 25. Sept. 18, 1916. Contents: Studies on the Physiology of Reproduction in the Domestic Fowl.—XV. Dwarf Eggs. By Raymond Pearl and Maynie R. Curtis.—Crotonic Acid, A Soil Constituent. By E. H. Walters and Louise E. Wise. Pp. 977-1046, pls. CXIII-CXIV, figs. 4. Price, 20 cents.

NOTE.—Beginning with Volume 5, The Journal of Agricultural Research will be issued weekly and distributed free *only* to the libraries of agricultural colleges and experiment stations, to large universities, technical schools, and such institutions as make suitable exchanges with the department. *It will not be sent free to individuals.* The Superintendent of Documents will receive subscriptions for this publication, the price being \$3 per year, 52 numbers.

Experiment Station Record. Vol. XXXIV, Index Number. Sept. 5, 1916. E. W. Allen, Ph. D., Editor. Pp. 901-1000. Price, 15 cents.

Same, Vol. XXXV, No. 3. Abstract Number. Pp. 201-300. Price, 15 cents.

NOTE.—The Record is a technical review of the world's scientific literature pertaining to agriculture. It is not intended for general distribution, and its free distribution is restricted to persons connected with the agricultural colleges, experiment stations, and similar institutions, and to libraries and exchanges. It can not be sent free to individuals having no official connection with public institutions. The Superintendent of Documents will receive subscriptions for this publication, which is issued in two volumes a year, ten numbers each, at \$1 a volume.

The Monthly Crop Report. Vol. 2, No. 9, September, 1916. Pp. 85-93. (Bureau of Crop Estimates.)

Contains data relating to agriculture, including estimates of acreage, conditions, yield, prices, and value of crops and live stock. For free distribution.

SERVICE AND REGULATORY ANNOUNCEMENTS—FOR SALE ONLY.

These contain *only* information, instructions, and notices governing the enforcement of food and drugs act, meat inspection, 28-hour, and quarantine laws, and the various regulations of the department. Issued monthly by certain bureaus. *Free distribution* is limited

to persons in the employ of the department, to public officials whose duties render it necessary for them to have such information, to journals especially concerned, and to manufacturers and firms whose business is affected by same. Others desiring copies are respectfully referred to the Superintendent of Documents, Government Printing Office, who has them for sale *only*, at prices noted.

Bureau of Animal Industry. No. 112. August, 1916. Pp. 67-76. Sept. 29, 1916. Price, 5 cents.

Bureau of Chemistry. Supplement No. 18. [N. J. 4351-4400.] Pp. 505-618. Sept. 12, 1916. Price, 5 cents.

Insecticide and Fungicide Board. No. 13. [State Insecticide and Fungicide Laws.] Pp. 101-152. Sept. 16, 1916. Price, 5 cents.

Office of Markets and Rural Organization. No. 10. Changes made in the United States Cotton Futures Act by its Reenactment on Aug. 11, 1916. Pp. 119-134. Sept. 1, 1916. Price, 5 cents.

Office of Markets and Rural Organization. No. 11. Official Grain Standards of the United States for Shelled Corn. Pp. 11. Sept. 2, 1916. Price, 5 cents.

SOIL SURVEYS.

All requests for soil surveys are referred to the Bureau of Soils for attention, the distribution of same being controlled by that bureau.

Soil Survey of Jefferson County, Arkansas. By B. W. Tillman, In Charge, R. R. Burn, W. B. Cobb, and Clarence Lounsbery, of the U. S. Department of Agriculture, and G. G. Strickland, of the Arkansas Agricultural Experiment Station. Pp. 39, fig. 1, map. (From F. O. Soils, 1915.) Price, 15 cents.

Soil Survey of Franklin County, Florida. By Charles N. Mooney and A. L. Patrick. Pp. 31, fig. 1, map. (From F. O. Soils, 1915.) Price, 15 cents.

Soil Survey of Laurens County, Georgia. By A. T. Sweet, In Charge, Grove B. Jones, E. T. Maxon, T. M. Morrison, and E. C. Hall. Pp. 41, fig. 1, map. (From F. O. Soils, 1915.) Price, 15 cents.

Soil Survey of De Kalb County, Missouri. By H. H. Krusekopf, In Charge, R. C. Doneghue, and M. M. McCool, of the University of Missouri. Pp. 25, fig. 1, map. (From F. O. Soils, 1914.) Price, 15 cents.

Reconnaissance Soil Survey of North Part of North-Central Wisconsin. By W. J. Geib, In Charge, Arthur E. Taylor, L. R. Schenmann, and Carl C. Thompson, of the U. S. Department of Agriculture, and T. J. Dunnewald, W. C. Boardman, Clinton B. Post, and A. R. Albert, of the Wisconsin Geological and Natural History Survey. Pp. 76, pls. 6, figs. 2, map. (From F. O. Soils, 1914.) Price, 15 cents.

PUBLICATIONS OF THE WEATHER BUREAU.

Publications of the Weather Bureau are obtainable only from the Chief of the Weather Bureau or the Superintendent of Documents, Government Printing Office, at the prices noted herein.

Monthly Weather Review. (For sale only.) Vol. 44, No. 6. June, 1916. [Aug. 28, 1916.] Pp. 321-379, charts 9, figs. 29. Price, 25 cents a copy, \$2.50 a year. Payable to the Superintendent of Documents.

Special Articles: Solar and Sky radiation measurements during June, 1916. By H. H. Kimball.—Meteor of June 28 over northeast Texas. By H. H. Martin.—Observations of meteor trains.—Meteor of May 7 in eastern Mississippi. By J. H. Jaqua.—Meteor of May 7, at Demopolis, Ala. By J. G. Whitfield.—Work of the American Meteor Society, 1914 and 1915. By C. P. Oliver.—Use of a flagpole in calibrating kite anemometers. By B. J. Sherry.—Tropical rains: Their duration, frequency, and intensity. By O. L. Fassig.—Mechanism of cyclones. By F. J. W. Whipple.—Meteorological aspects of oceanography. By Hans Pettersson.—Fog in relation to wind direction on Mount Tamalpais, Cal. By Herbert H. Wright.—On the so-called change in European climate during historic times. By H. H. Hildebrandson.—Violent easterly winds at Tatoosh Islands, Wash. By Ralph C. Mize.

National Weather and Crop Bulletin, Nos. 25, 26, 27, 28. September, 1916, reporting temperature, rainfall, and crop conditions throughout the United States. (Issued weekly, on Wednesday, April to October; monthly remainder of year.) Price, 25 cents a year.

JOS. A. ARNOLD,
Editor and Chief Division of Publications.